



Jet Propulsion Laboratory (JPL)
JPL Summer High School Internship Program (SpaceSHIP)
2008 Internship Application

Application Deadline: ~~February 22, 2008~~
New Deadline: March 14, 2008

Internship Dates: June 23 – July 31, 2008

Program Overview

The Jet Propulsion Laboratory (JPL) Summer High School Internship Program (SpaceSHIP) is designed for high school students who have demonstrated a strong interest in and aptitude for science, technology, engineering, and/or mathematics (STEM). One of JPL SpaceSHIP's objectives is to encourage pre-college students who have been traditionally underrepresented in STEM fields to consider such fields for their careers.

The mentors for the JPL SpaceSHIP program are some of NASA's top science professionals. They mentor students while conducting innovative research. Students participating in the JPL SpaceSHIP program are provided an opportunity to do research, expand their computer skills, and enhance and develop their oral and written communication skills. Students also have an opportunity to develop and prepare written technical reports and abstracts, make a formal final presentation, interact with students from diverse cultural backgrounds and participate in numerous enrichment activities. Students earn a stipend for services.

Located in Pasadena, California, the Jet Propulsion Laboratory (JPL) is the leading center in the United States for robotic exploration of the solar system. JPL is managed for the National Aeronautics and Space Administration (NASA), and administered by the California Institute of Technology (Caltech). More information about JPL can be found at <http://www.jpl.nasa.gov>.

Contact Information

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(Point of Contact)

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For more information, please visit our website, <http://minorityeducation.jpl.nasa.gov>.

Eligibility Requirements

- Students must be U.S. citizens.
- All participants must be at least 16 years old at the time of participation (June 23, 2008).
- Students must be able to communicate fluently in written and spoken English.
- With the exception of the letters of reference, this application must be completed by the student and represent the student's own work.
- Student's home address must be within 50 miles of JPL's Oak Grove facility (4800 Oak Grove Drive, Pasadena, California 91109-8009) based upon Mapquest's information: <http://www.mapquest.com>
- All applicants must have a 3.0 GPA or above.
- Student application must provide evidence of interest in and aptitude for science, technology, engineering, and/or mathematics.

Finalists will be interviewed prior to selection. Selected students are responsible for their own transportation to and from JPL. Students under the age of 18 must provide a work permit.

Program Duration

- 6 weeks
- June 23 – July 31, 2008

Stipend

\$2000 per internship (taxable)

Submission Deadline

The application must be **postmarked no later than March 14, 2008**. Students will be notified 6-8 weeks after deadline.

Location of Internship

All internship activities take place at the Jet Propulsion Laboratory in Pasadena, California unless otherwise specified. If there will be an off-site field trip, interns and their parents/guardians will be notified in advance.

Application Components

The completed JPL SpaceSHIP application must be **postmarked by March 14, 2008**.

A completed application includes:

- Student information sheet
- A typed 300-word essay
- Summary of science, technology, engineering, and math courses taken
- Summary of awards, activities, and computer skills
- A signed *Parental Acknowledgment/Permission* form
- Copy of transcripts showing a cumulative GPA of 3.0 or above
- Two signed letters of recommendation from teachers
- Proof of citizenship and age (16 or older) by providing a copy **one** of the following:
 - a. Valid U.S. passport (*preferred document*)
 - b. U.S. Naturalization certificate
 - c. Birth certificate

By U.S Mail, send the completed application **postmarked no later than March 14, 2008** to:

Ms. Loreen Ortega
Jet Propulsion Laboratory
Minority Education Initiatives
4800 Oak Grove Drive
Mail Stop 180-109
Pasadena, CA 91109

Student Information Sheet

Please neatly print or type the following information:

Student's Name: _____

Citizenship: _____

Date of Birth: _____

Home Mailing Address: _____

City, State, Zip Code: _____

Home telephone: _____

E-mail Address: _____

Cell phone number: _____

High School Name: _____

High School Address: _____

High School District: _____

Grade: _____Senior _____Junior _____Sophomore _____Other

Grade Point Average: _____ (Please attach high school transcripts)
(Cumulative)

How did you hear about the JPL SpaceSHIP program? Check all that apply:

<input type="checkbox"/>	Teacher (which subject(s)?) _____
<input type="checkbox"/>	School Counselor/Principal
<input type="checkbox"/>	After-School Program Coordinator
<input type="checkbox"/>	Parent
<input type="checkbox"/>	Friend
<input type="checkbox"/>	NASA or JPL Employee
<input type="checkbox"/>	NASA or JPL Website
<input type="checkbox"/>	Other Website (which one?) _____
<input type="checkbox"/>	Former JPL SpacaeSHIP Intern
<input type="checkbox"/>	Other

300-Word Essay

Student's Name: _____

Please provide a typed 300-word essay that addresses the following:

Describe your interest in science, technology, engineering, or mathematics. What challenges, if any, have you had to overcome in order to pursue your goals or dreams? What are your goals for this summer internship: what do you hope to learn, see, do, or achieve while at JPL? What makes you a good fit for the JPL Summer High School Internship Program? **Please attach your typed essay to this form.**

Summary of Science, Technology, Engineering, and Math Courses

Student's Name: _____

List all science, math, technology, computer science, and engineering courses you have taken for high school or college credit.

Science courses:

Subject (course title, i.e. physics)	Year (9-12, college)	Grade (i.e. A,B)	Honors, AP or college level?

Math courses:

Subject (course title, i.e. algebra)	Year (9-12, college)	Grade (i.e. A,B)	Honors, AP, or college level?

Computer, Technology, or Engineering courses:

Subject (course title, i.e. Basic Programming)	Year (9-12, college)	Grade (i.e. A,B)	Honors, AP, or college level?

Summary of Awards, Activities, and Computer Skills

Student's Name: _____

List academic awards, achievements, or other recognition received.

Award or other recognition	Date/Grade Level

List your extracurricular activities (music, sports, clubs, hobbies, jobs, community service, volunteer work, summer programs, other NASA-related programs, etc.)

Activity	Date(s) (i.e. 2006-7)	Duration (i.e. 2 years)

List your computer skills (programming languages, databases, graphics, web design, e-mail, Microsoft Office, Macintosh, PC, hardware, etc.).

Computer skill	Date(s)	Level of experience (beginning, intermediate ...)

Letters of Recommendation: #1

Student's Name: _____

Name of recommender: _____

Title (i.e., Science Teacher): _____

How long have you known the student? _____

Please give a statement on why you recommend this student for the Jet Propulsion Laboratory Summer Internship Program (SpaceSHIP). Use a separate sheet of paper if needed.

Recommender's Signature: _____ Date: _____

School Principal's Signature: _____ Date: _____

Letters of Recommendation: #2

Student's Name: _____

Name of recommender: _____

Title (i.e., Science Teacher): _____

How long have you known the student? _____

Please give a statement on why you recommend this student the Jet Propulsion Laboratory Summer High School Internship Program (SpaceSHIP). Use a separate sheet of paper if needed.

Recommender's Signature: _____ Date: _____

School Principal's Signature: _____ Date: _____

Parental Acknowledgement /Permission Form

I, _____, acknowledge that my child, _____
(name of parent or guardian) (name of child)
is applying for the Jet Propulsion Laboratory Summer High School Internship Program
(SpaceSHIP). If accepted, my child will spend six weeks participating in the 2008 Jet Propulsion
Laboratory Summer High School Internship Program in Pasadena, California.

Printed name of parent or guardian: _____
Date

Signature of parent or guardian: _____
Date